
Review of Research Priorities from the Pork Industry

Top 3 animal health / production issues

- Zoonotic agents
 - SIV
 - MRSA
 - C. difficile
 - Salmonella
 - Toxoplasma
- Reproductive associated issues
 - Semen quality
 - Mastitis
 - Metritis
 - Water intake
- Production associated issues
 - Porcine Respiratory and Reproductive Syndrome (PRRS)
 - Respiratory – SIV, Mycoplasma, PCVAD
 - Enteric – dysentery, pre and post weaning enteritis

Over the next 5 years

- Production and food safety
consequences of restricted antibiotic access
- Zoonotic agents
- Emerging / evolving livestock diseases
 - ????????
 - Porcine High Fever Disease
- PRRS – Immunology; Epi; Diagnostics
- Foreign Animal Diseases
 - African Swine Fever

Principles

- The business is providing food
 - “Wastage” cannot be tolerated
 - » Infectious; Genetic; Nutritional; Environmental
 - » During all phases of production and use from semen/ova to consumer acceptance
- We can’t afford to not have an integrated approach
 - Across disciplines or risk unintended consequences
 - » Production priorities – competitive advantage
 - » Consumer priorities – food, air, water, soil, public health

Principles

- We can't afford to not have a coordinated approach
 - “Core research” that will provide basic information; Proof of application; Verification in the field
 - CIE – NSU and Industry will identify evolving priorities
- We need to have flexibility
 - We can't control what we don't know about; global travel
 - H1N1
 - High Fever Disease and PRRS
- We have to have USDA response and credibility
 - USDA infrastructure to respond – capacity and culture